

Industrial Operation Panel with Swing ARM

NODKA Industrial Operation Panel combines the swing arm control box with industrial computer system and display, and in more compact, highly-integrated and stylish design. Widely used in all kinds of machine tools, automobile manufacturing, petrochemical, food, pharmaceutical machinery and other automatic equipment, testing equipment and human-computer interaction equipment.

Industrial Operation Panels are available either with a touch screen monitor (IDP59 series) or with additional PC system (ICP68 series), with projected capacitive touch screens are available in sizes ranging from 15" to 21.5" and offer full IP65 protection. Buttons, selector switches, key switches and an integrated E-stop button provide exceptional user comfort.

ICP68 series support NODKA COMLAC INSIDE design, option a variety of CPU options, just like J1900, 4205U and i5-7200U. Interfaces option 2 Intel gigabit RJ45 ports, 4 USB and 2 RS232/485 ports.



To adapt optimally to the requests from different application, button panel can be individually customized. The list of possible adaptations endless, including virtually any arrangement of standard keys, illuminated ring keys and push buttons in various colors, a custom keypad module is also available.

NODKA Industrial Operation Panels support both pendant and pedestal mounting, the panels are designed to allow easy access to all buttons and cables.

ICP69 SERIES



Model No.		ICP6915	ICP6919	ICP69185	ICP69215
Processor	CPU	Intel® Celeron® 4205U/J1900/Core™ i5 7200U			
	Main Frequency	Dual Core 1.8GHz/Quad core 2.0GHz/Dual Core 2.5GHz			
	L3 Cache	2MB/2MB/3MB			
	Memory	1×DDR4-2400MHz, max 16GB / 1×DDR3L-1333MHz, max 8GB / 1×DDR3L-1600MHz, max 8GB			
	Storage interface	1×2.5" SATA HDD + 1×mSATA			
I/O	Ethernet	2×Intel 1000Mbps RJ-45 Ethernet interface			
	Audio	可选			
	USB	4×USB3.0/2.0/1.1			
	Serial port	2×RS232 / RS485 with surge protection, RS485 support automatic flow control			
	Expansion slot	1×Mini-PCIe slot, extensible 3G, WIFI wireless card			
Physical	Weight	8.3KG	11.30KG	10.24KG	14.30KG
	Pensile Direction	Optional Up or Down			
	Fixed Stand of Cantilever	Suitable for full series			
	Handle of Operation Panel	Standard			
	Operation Button	Nodka Standard: USB, Rotatable switch, Push button (Green , Red),Key switch, Emergency stop switch			
	Dimension (W×H×D)	507mm×386mm×139.5mm	573mm×437mm×139.5mm	593mm×372mm×139.5mm	664mm×411mm×139.5mm
OS	OS	Windows 7, Windows 8, Windows 10, Linux			
Power	DC input	DC 12~24V support reverse polarity protection, overvoltage protection, overcurrent protection			
	Power Dissipation (Max.)	Depend on the processor	Depend on the processor	Depend on the processor	Depend on the processor
LCD	LCD Type	15" XGA TFT	19" SXGA TFT	18.5" HD TFT	21.5" Full HD TFT
	Resolution	1024×768	1280×1024	1366×768	1920×1080
	Colors	16.7MB	16.7MB	16.7MB	16.7MB
	Active Area (W×H)	304.13mm×228.10mm	376.32mm×301.06mm	409.8mm×230.4mm	476.64mm×268.11mm
	Backlight	LED	LED	LED	LED
	MTBF (hour)	30000hrs	30000hrs	30000hrs	30000hrs
	Pixel Pitch (H×V)	0.297×0.297	0.294×0.294	0.248×0.248	0.248×0.248
	Luminance	420cd/m²	250cd/m²	250cd/m²	250cd/m²
	Contrast Ratio	800:1	1000:1	1000:1	3000:1
	Viewing Angle	(L) 80 / (R) 80 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80	(L) 89 / (R) 89 / (T) 89 / (B) 89
Touchscreen	Touchscreen type	Capacitive touch screen			
	Transmittance	> 87%			
	Response Time (touch pen)	< 5ms			
	Surface Hardness	Mohs' Hardness 7H			
	Click Life	250g / 100,000,000 times	250g / 100,000,000 times	250g / 100,000,000 times	250g / 100,000,000 times
	Multi-touch	10 points	10 points	10 points	10 points
Environmental	Work Temperature	-10 ~ 60°C (14~140°F)	-10 ~ 60°C (14~140°F)	-10 ~ 60°C (14~140°F)	-10 ~ 60°C (14~140°F)
	Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)
	Relative Humidity	5 ~ 95% RH@40°C (Non-condensation)			
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64			
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27			
	EMC	CE/FCC Class B			
	Water-proof	IP65			

IDP59 SERIES



Model No.		IDP5915	IDP5919	IDP59185	IDP59215
Input interface	Signal input	VGA+DVI input			
	Communication interface	USB2.0 input			
Physical	Weight	8.3KG	11.30KG	10.24KG	14.30KG
	Pensile Direction	Optional Up or Down			
	Fixed Stand of Cantilever	Suitable for full series			
	Handle of Operation Panel	Standard			
	Keyboard tray	Optional			
	Operation Button	Nodka Standard: USB, Rotatable switch, Push button (Green , Red),Key switch, Emergency stop switch			
	Dimension (W×H×D)	507mm×386mm×139.5mm	573mm×437mm×139.5mm	593mm×372mm×139.5mm	664mm×411mm×139.5mm
Power	DC input	DC 12~24V support reverse polarity protection, overvoltage protection, overcurrent protection			
	Power Dissipation (Max.)	Depend on the processor	Depend on the processor	Depend on the processor	Depend on the processor
LCD	LCD Type	15" XGA TFT	19" SXGA TFT	18.5" HD TFT	21.5" Full HD TFT
	Resolution	1024×768	1280×1024	1366×768	1920×1080
	Colors	16.7MB	16.7MB	16.7MB	16.7MB
	Active Area (W×H)	304.13mm×228.10mm	376.32mm×301.06mm	409.8mm×230.4mm	476.64mm×268.11mm
	Backlight	LED	LED	LED	LED
	MTBF (hour)	30000hrs	30000hrs	30000hrs	30000hrs
	Pixel Pitch (H×V)	0.297×0.297	0.294×0.294	0.248×0.248	0.248×0.248
	Luminance	420cd/m²	250cd/m²	250cd/m²	250cd/m²
	Contrast Ratio	800:1	1000:1	1000:1	3000:1
	Viewing Angle	(L) 80 / (R) 80 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80	(L) 89 / (R) 89 / (T) 89 / (B) 89
Touchscreen	Touchscreen type	Capacitive Touchscreen			
	Transmittance	> 87%			
	Response Time (touch pen)	< 5ms			
	Surface Hardness	Mohs' Hardness 7H			
	Click Life	250g / 100,000,000 times	250g / 100,000,000 times	250g / 100,000,000 times	250g / 100,000,000 times
	Multi-touch	10 points	10 points	10 points	10 points
Environmental	Work Temperature	-10 ~ 60°C (14~140°F)	-10 ~ 60°C (14~140°F)	-10 ~ 60°C (14~140°F)	-10 ~ 60°C (14~140°F)
	Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)
	Relative Humidity	5 ~ 95% RH@40°C (Non-condensation)			
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64			
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27			
	EMC	CE/FCC Class B			
	Water-proof	IP65			